

10/527738

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PATENT  
36856.1330

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re. application of : Tsutomu OKADA	International Application No.: PCT/JP2004/016434
Serial No.: Unknown	International Filing Date: November 5, 2004
Filed: Concurrently herewith	
For: ELECTROMAGNETIC FIELD ANALYZER, ELECTROMAGNETIC FIELD ANALYZING PROGRAM, AND STORAGE MEDIUM FOR RECORDING THE PROGRAM	

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
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Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.56, and in recognition of his duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicant herewith submits copies of the prior art listed on the attached Form PTO-1449. The prior art references Nos. 1-3 were cited in the attached International Search Report for PCT Application No. PCT/JP2004/016434. The prior art references Nos. 4 and 5 are additional references that Applicant is submitting herewith. The relevance of prior art reference No. 4 is discussed on page 2 of the Substitute Specification filed concurrently herewith. The relevance of prior art reference No. 5 is discussed on page 3 of the Substitute Specification filed concurrently herewith

The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

Applicant respectfully requests that the disclosed references be made of record in the subject application.

Respectfully submitted,

Date: March 14, 2005

  
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Substitute for form 1449/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/527738
Filing Date	
First Named Inventor	Tsutomu OKADA
Art Unit	
Examiner Name	
Attorney Docket Number	36856.1330

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	Katsumi TSUBOTA et al., "The speed-up of Finite Element Analysis Using Non-nested Multigrid Method", SA-99-1-12, RM-99-55-66, pp. 19-24, 08/1999, (SA-99-4, RM-99-58).	x
	2	Herbert DE GERSEM et al., "Full Multigrid for Magnetostatics Using Unstructured and Non-Nested Meshes"; IEEE Transactions on Magnetics, vol. 37, no. 5, pp. 3460-3464. 09/2001.	x
	3	Akihisa KAMEARI, "Application of Geometrical Multigrid Method to Electromagnetic Corporation by Finite Element Method", SA-01-1-19, RM-01-69-87, pp. 61-66, 08/2001, (SA-01-11, RM-01-79).	x
	4	R. HIPTMAIR, "Multigrid Method for Maxwell's Equations", Institut für Mathematik, Universität Augsburg, SIAM Journal of Numerical Analysis, Vol. 36, no. 1, , pp. 204-225, 1999.	x
	5	David DIBBEN et al., "Non-nested Multigrid and Automatic Mesh Coarsening for High Frequency Electromagnetic Problems", The Japan Research Institute, Ltd., IEEJ Investigating Research Committee Material, SA-02-34, RM-02-70, pp. 71-75, 2002.	x

Examiner

Date

\*Examiner: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>1</sup> Applicant unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Abstract is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.